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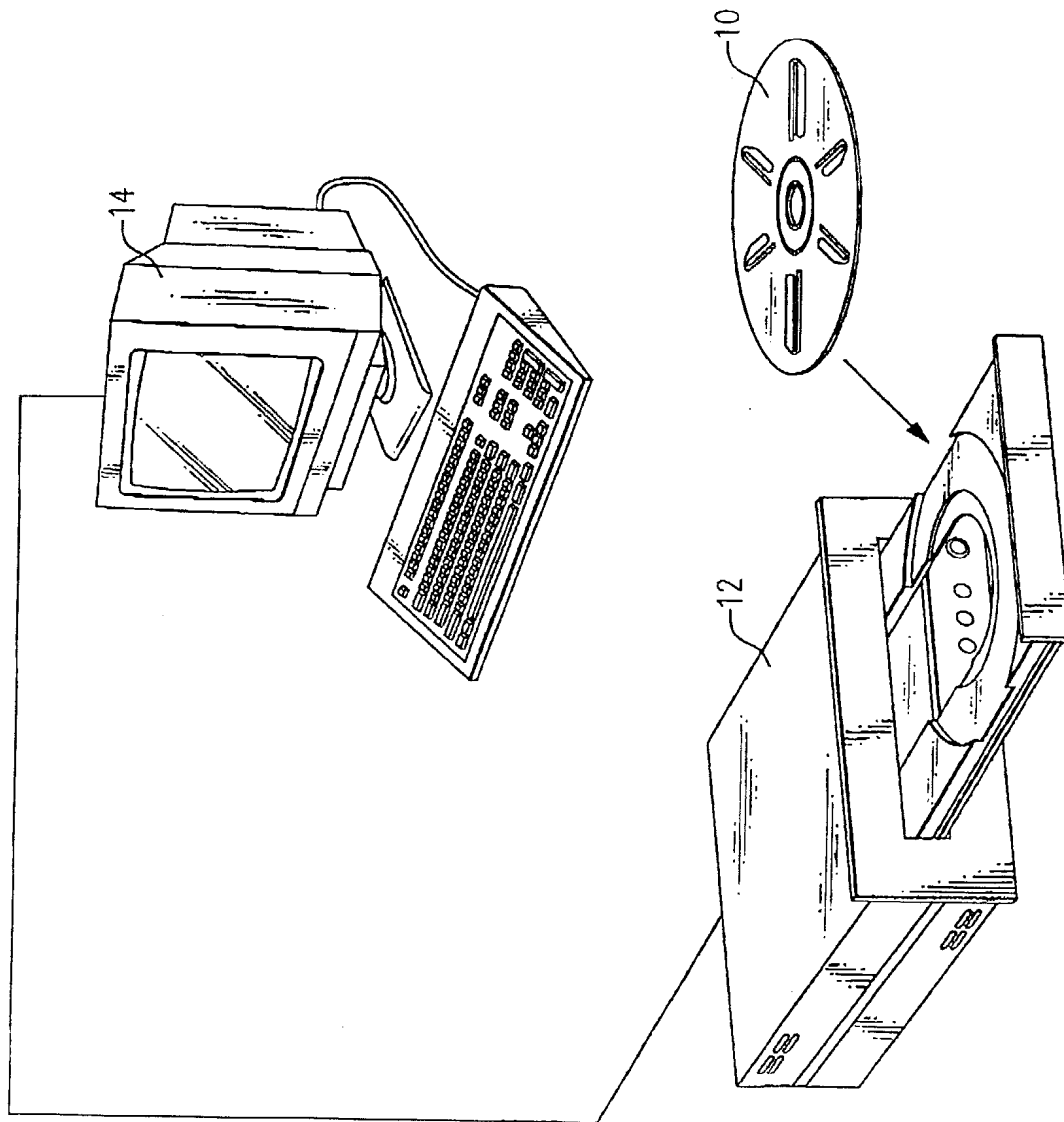
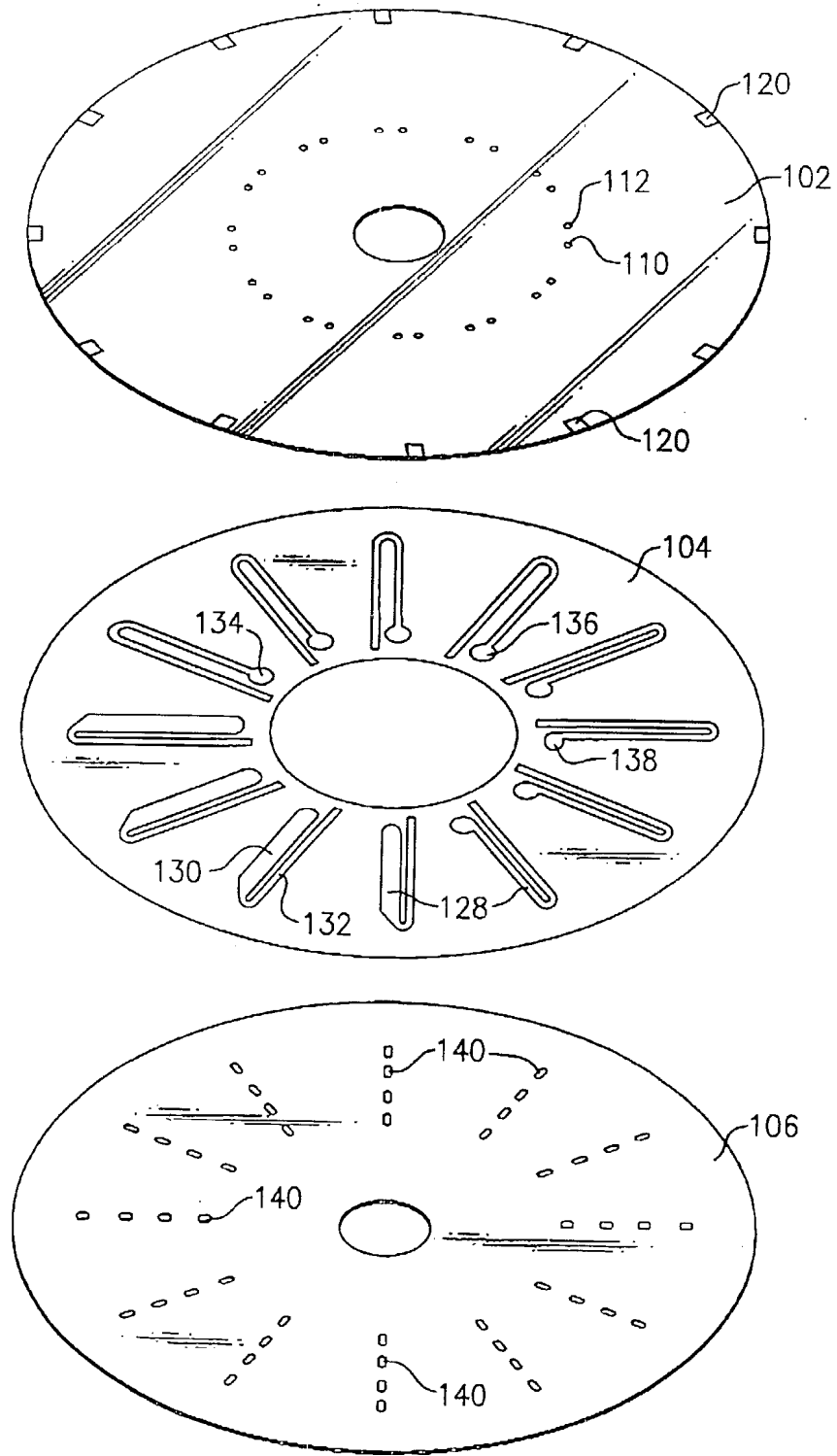


FIG. 1

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FIG.2A



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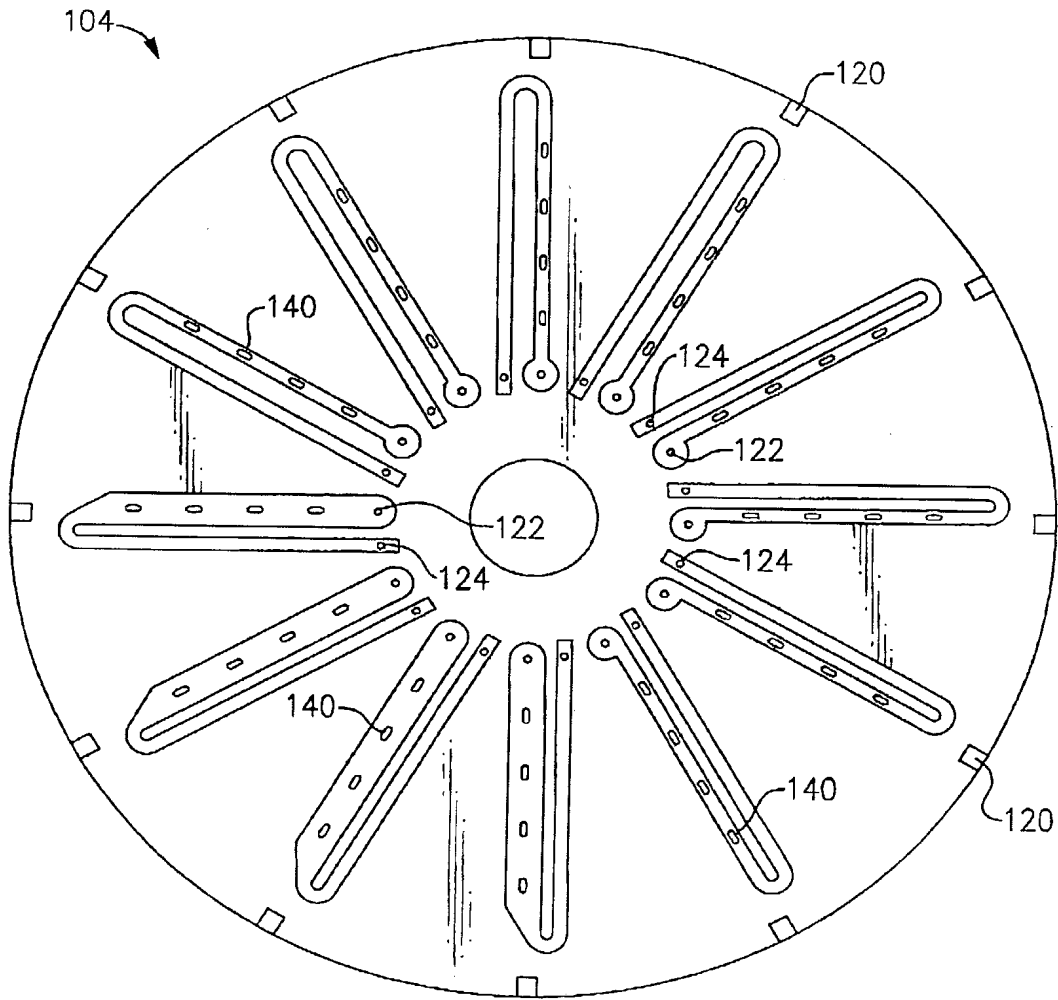
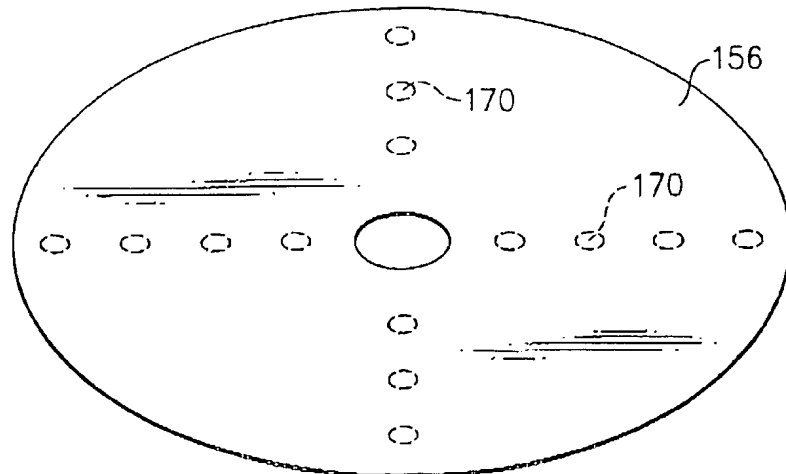
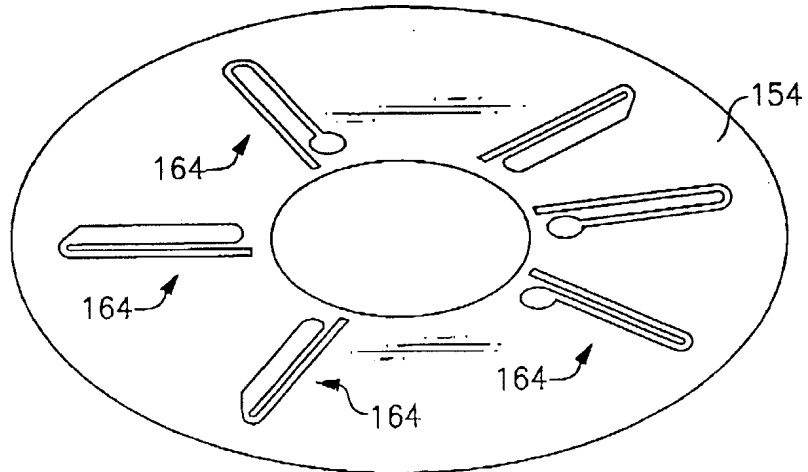
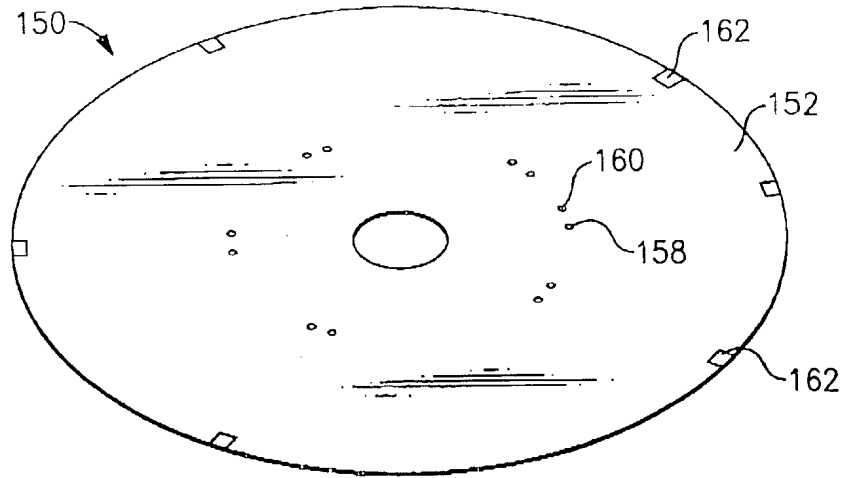


FIG. 2B

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FIG. 3A



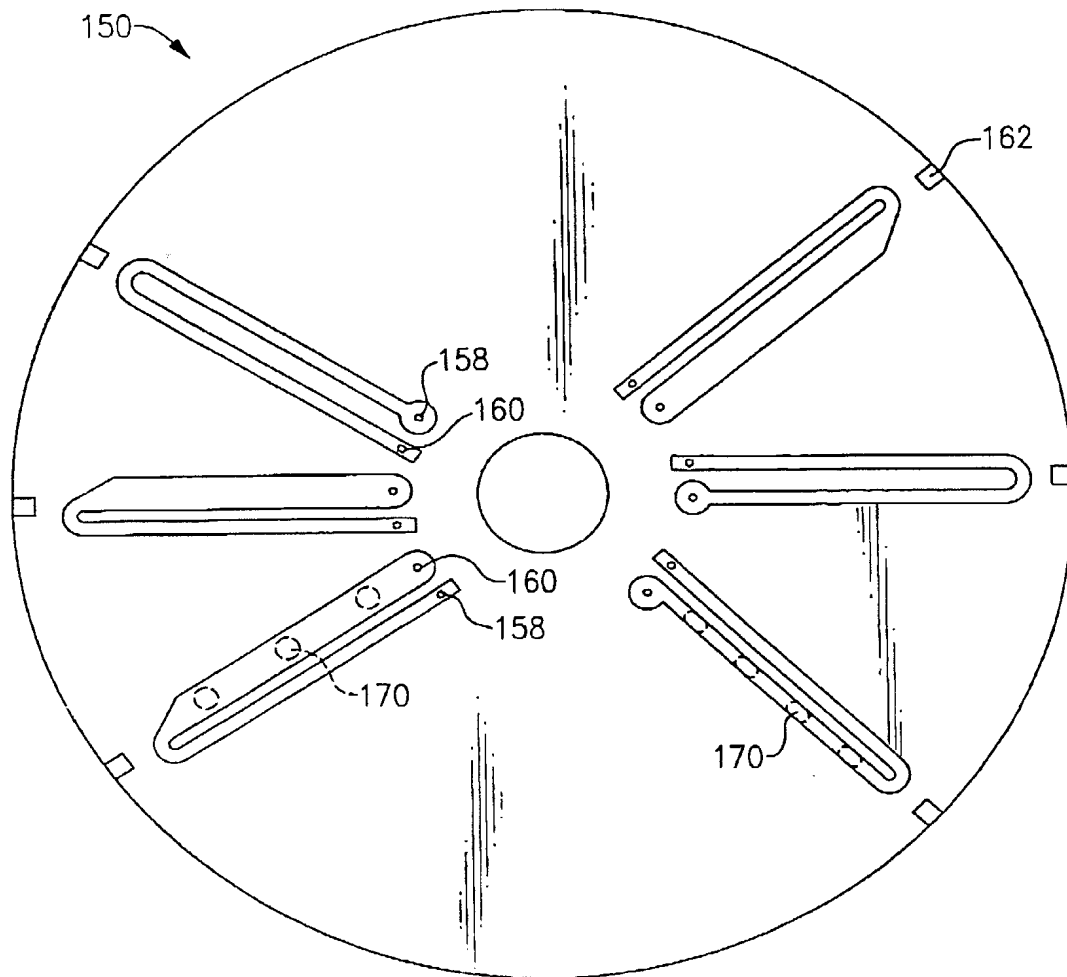


FIG.3B

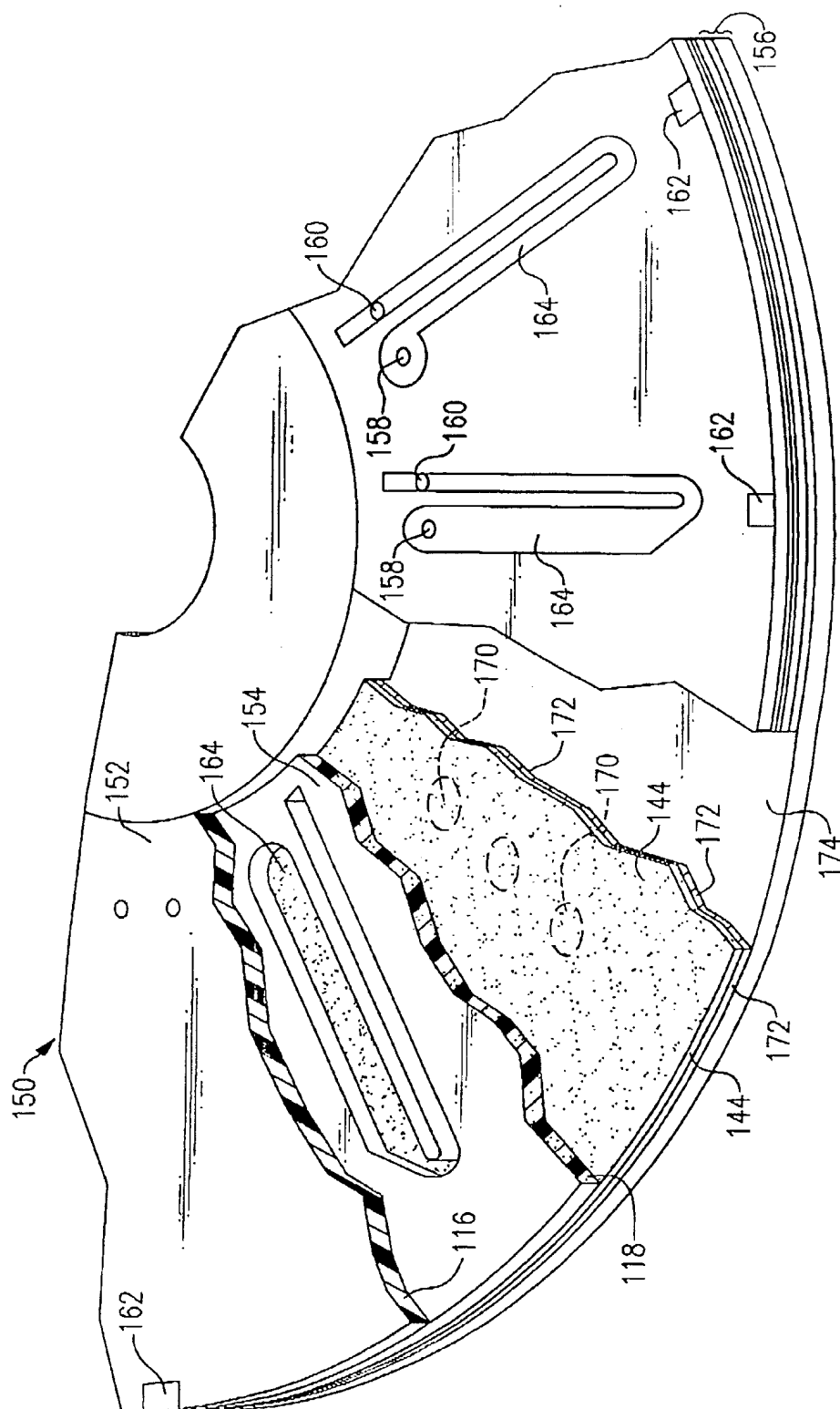


FIG. 3C

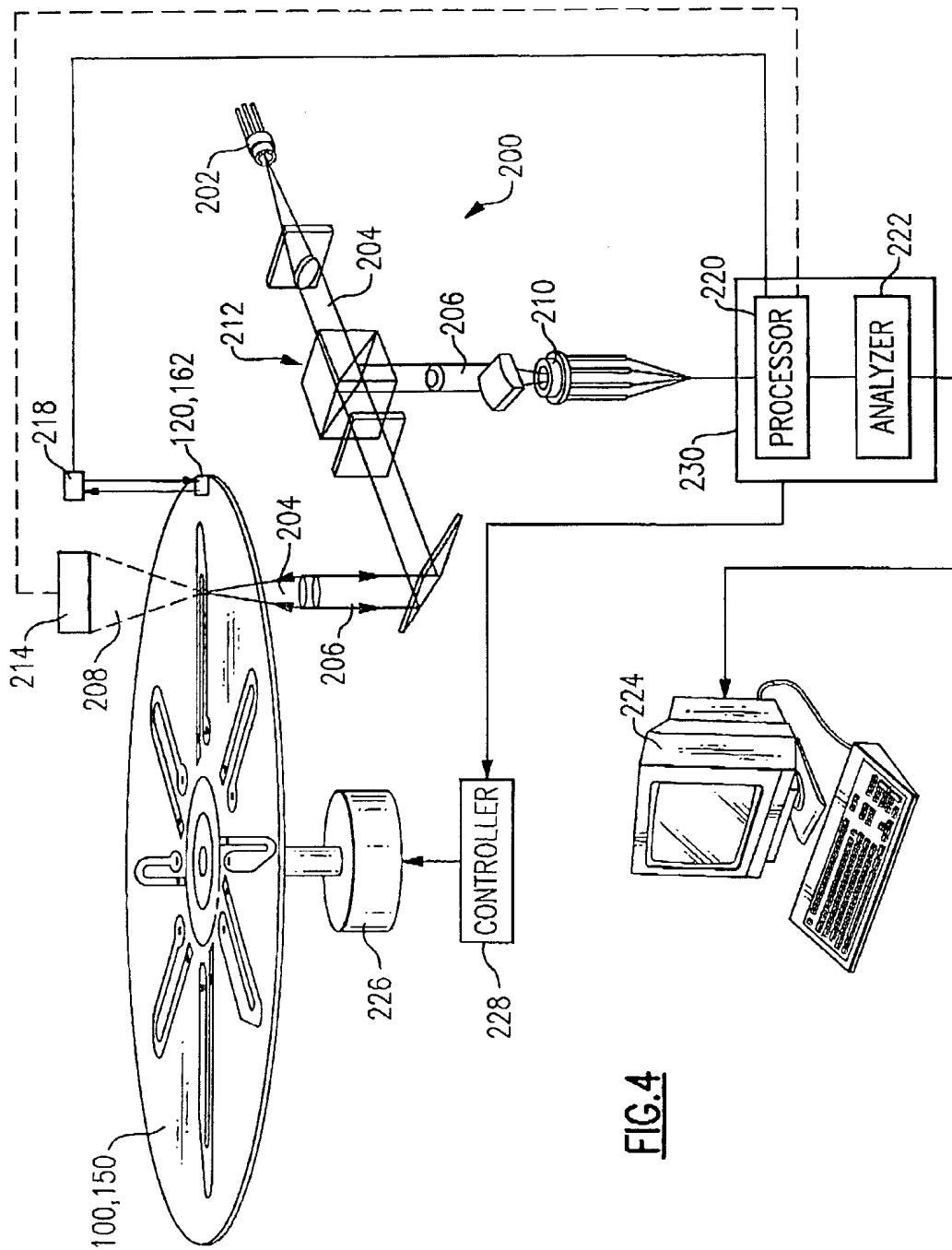


FIG.4

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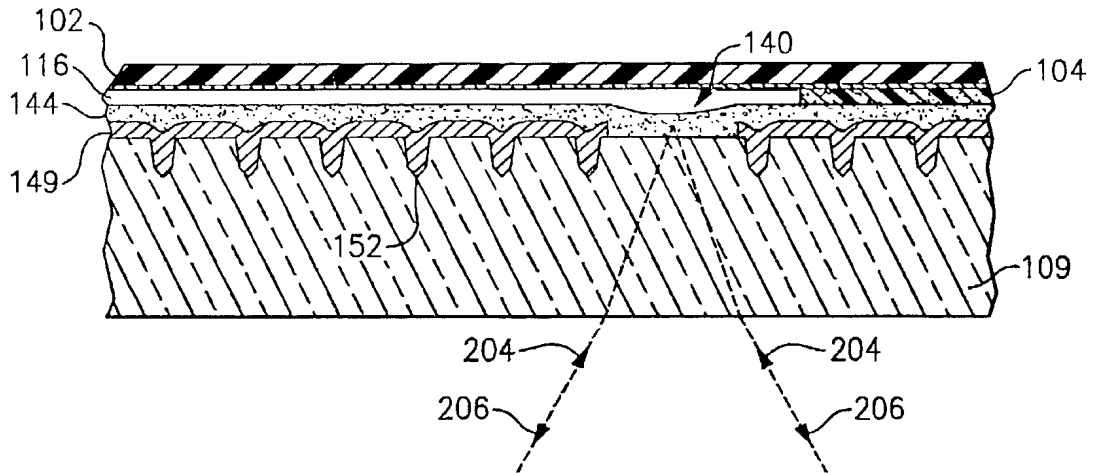


FIG.5

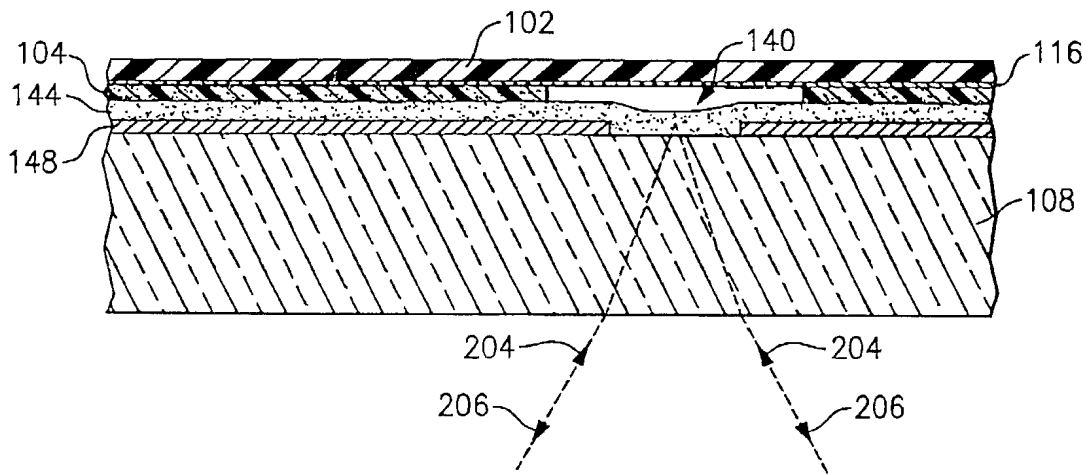


FIG.6

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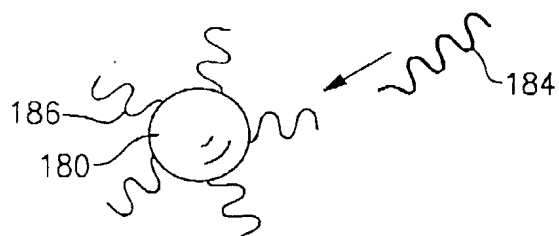


FIG. 7



FIG. 8

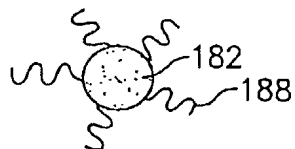


FIG. 9

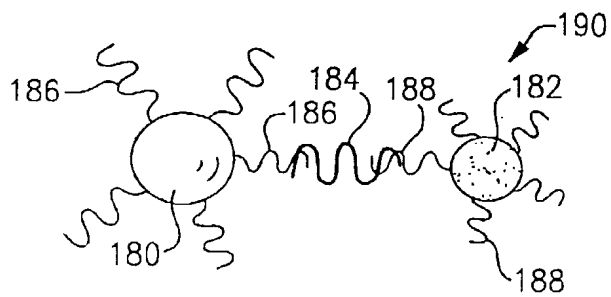


FIG. 10

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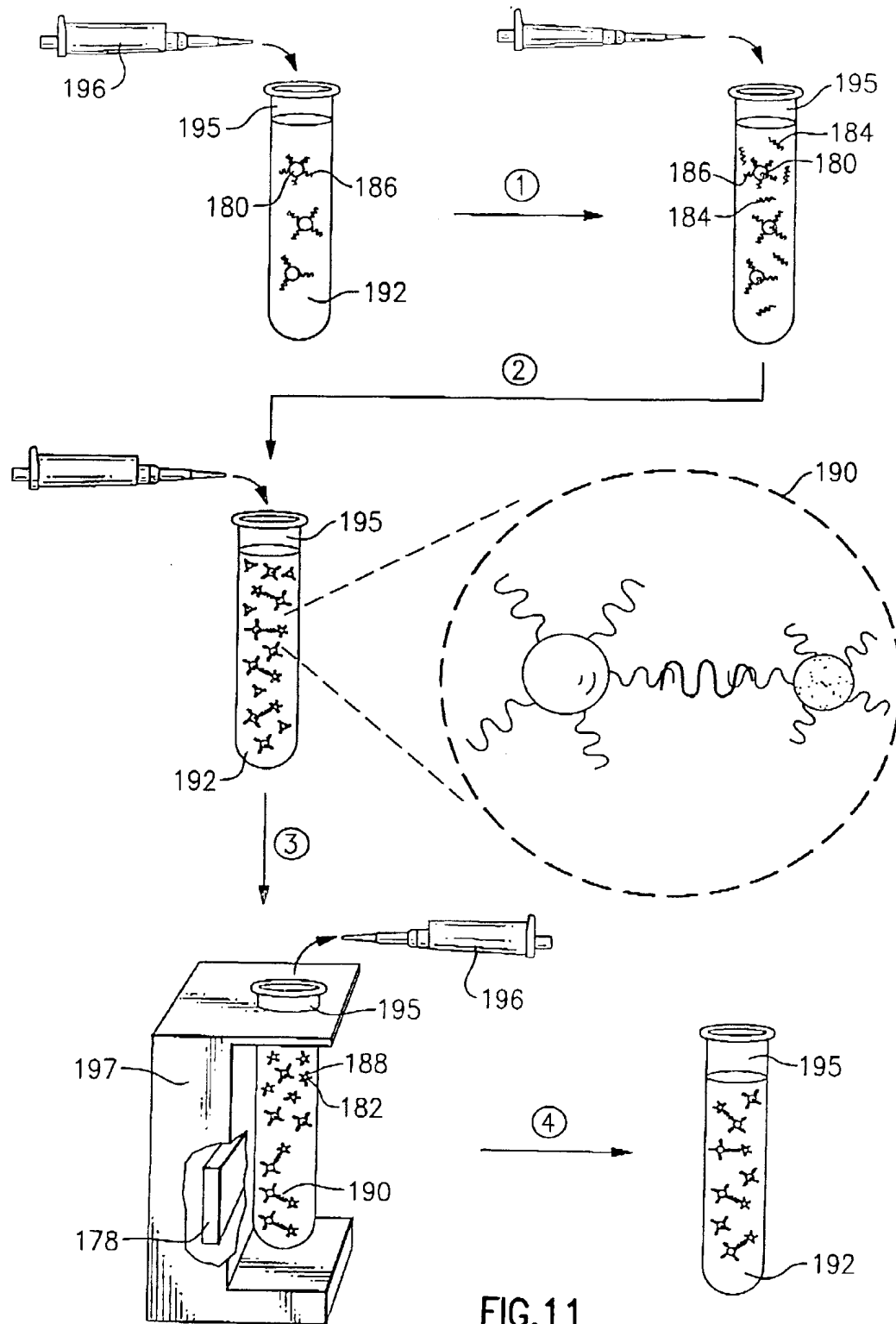


FIG. 11

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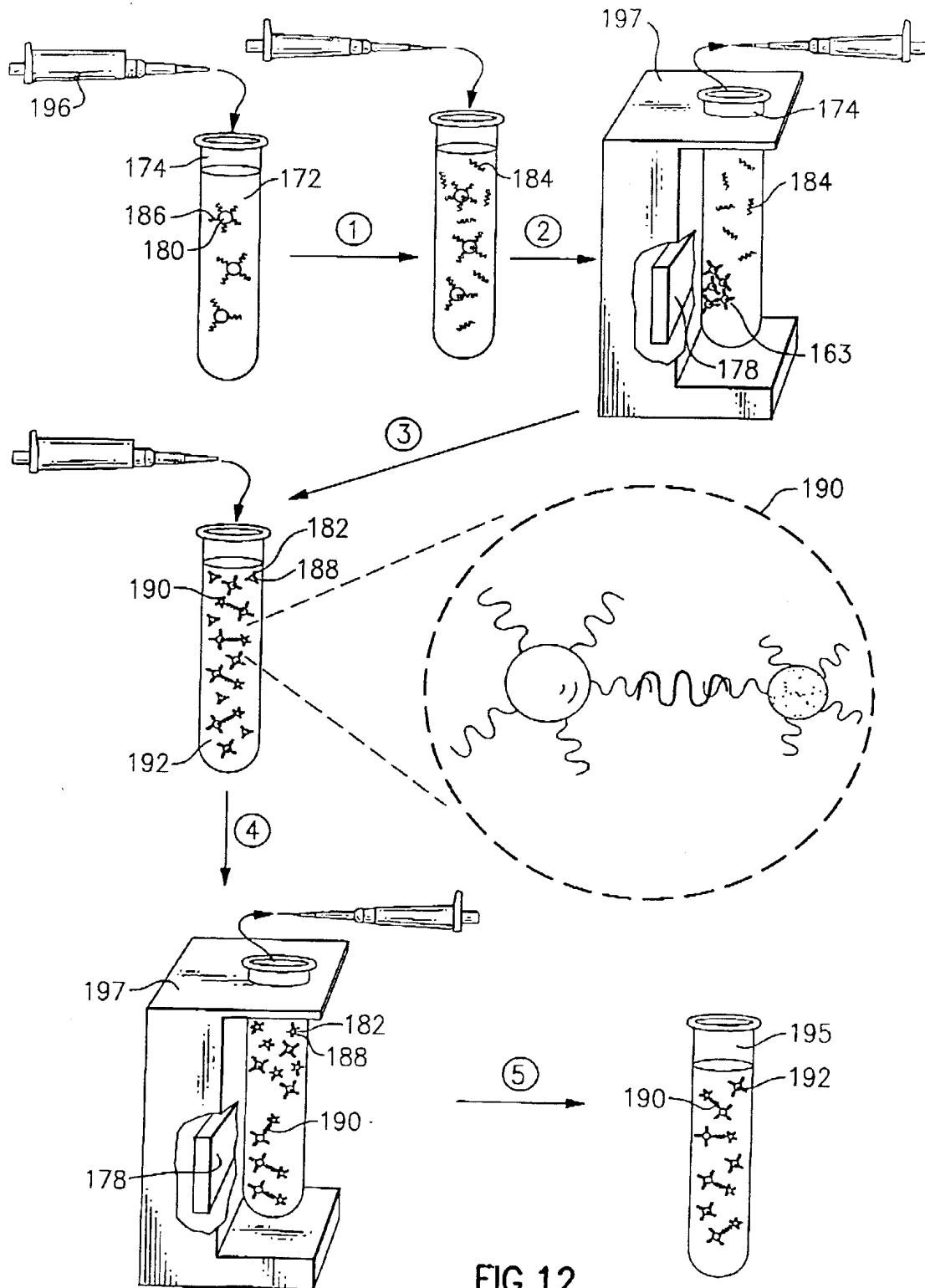
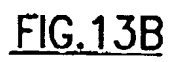
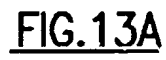


FIG.12



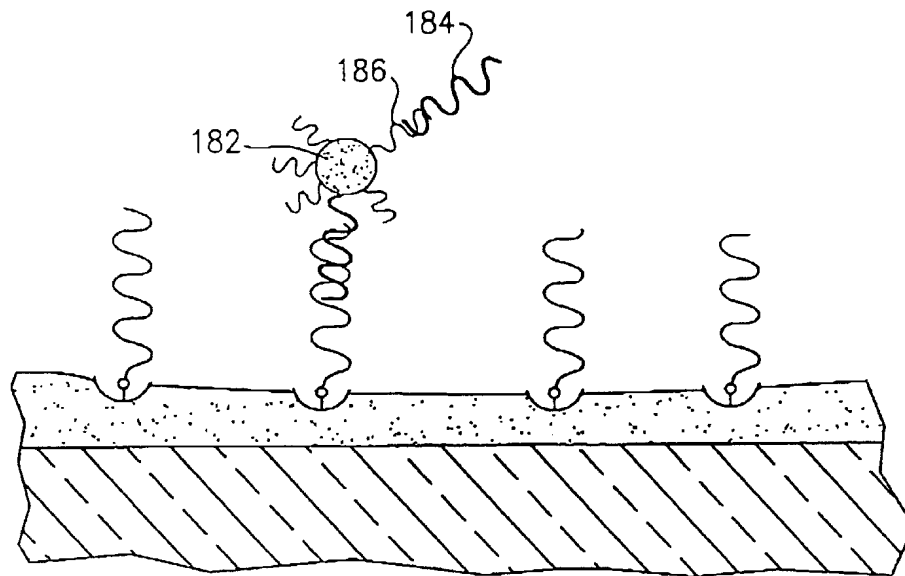


FIG.13C

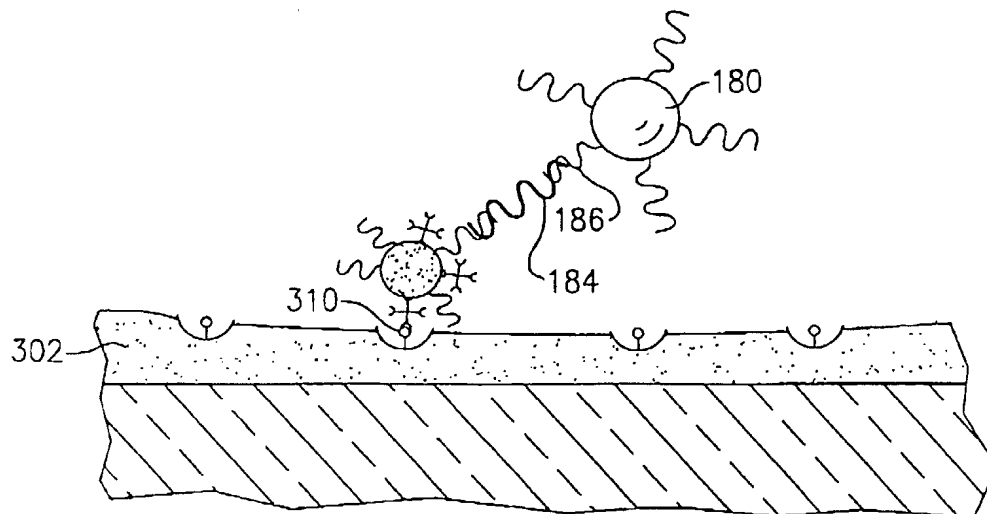


FIG.13D

FIG. 13C

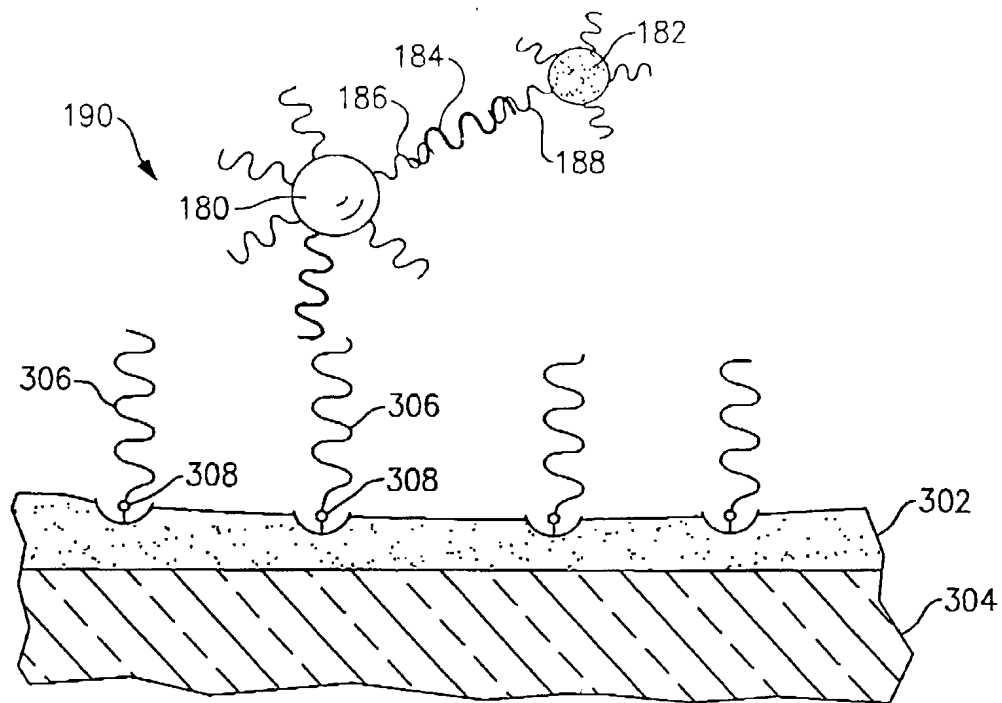


FIG. 14A

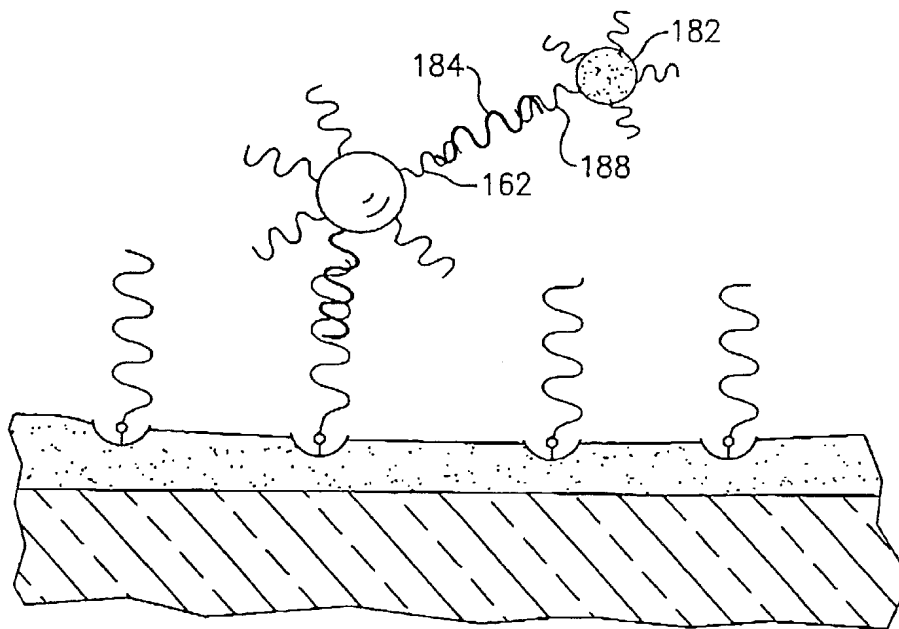


FIG. 14B

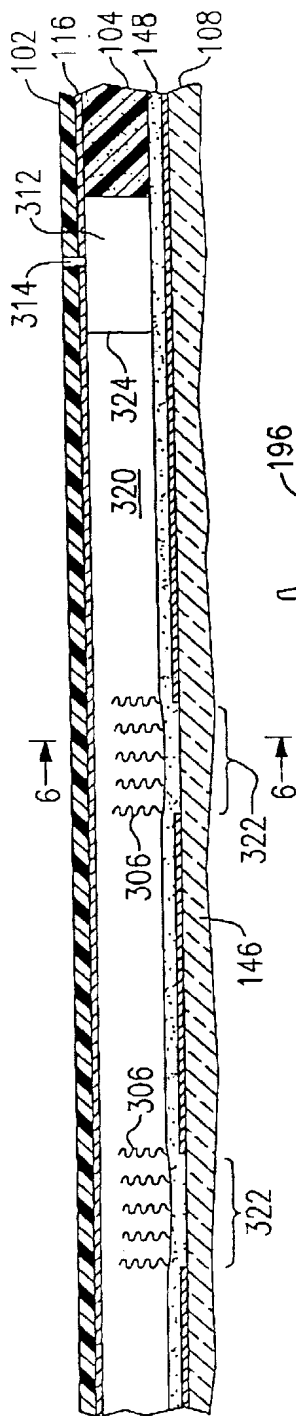


FIG. 15A

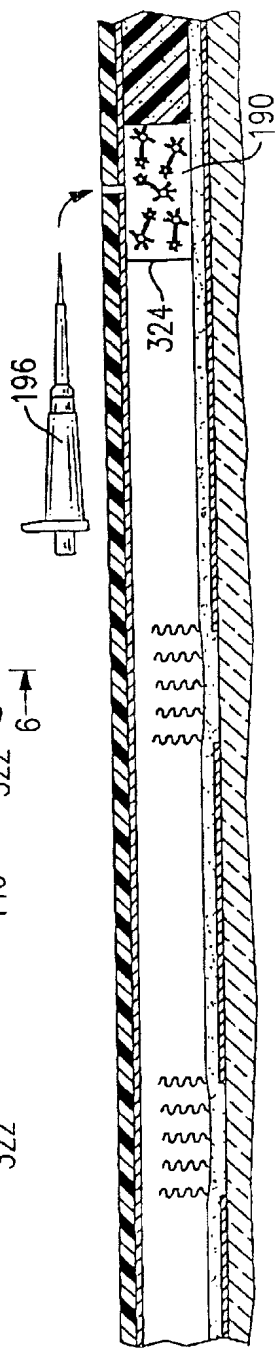


FIG. 15B

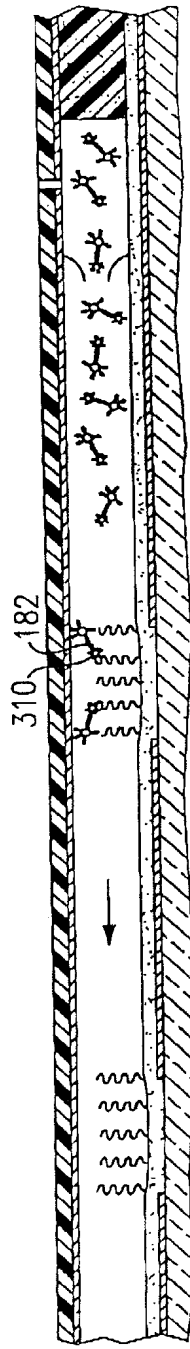


FIG. 15C

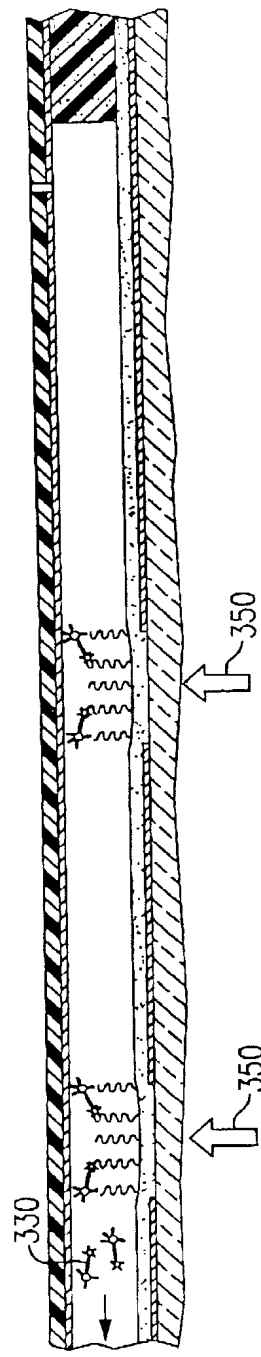


FIG. 15D

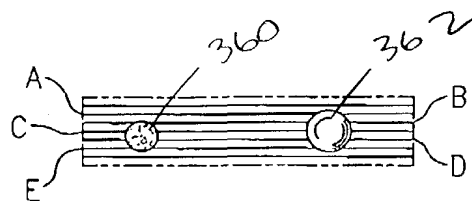


FIG.16A

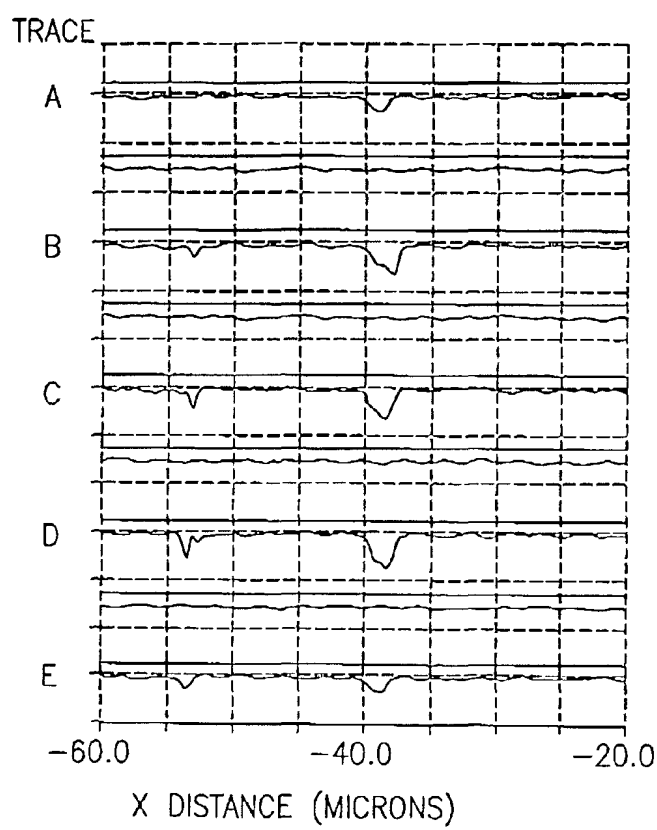


FIG.16B

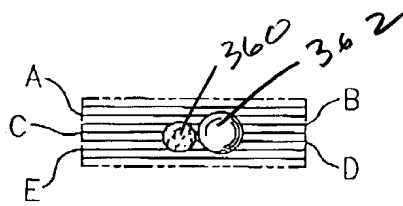


FIG.17A

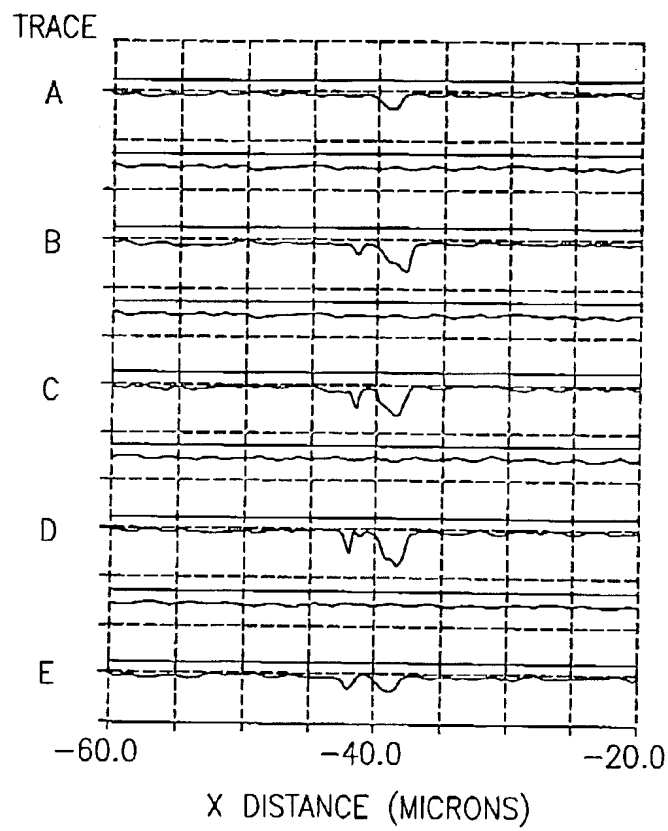


FIG.17B

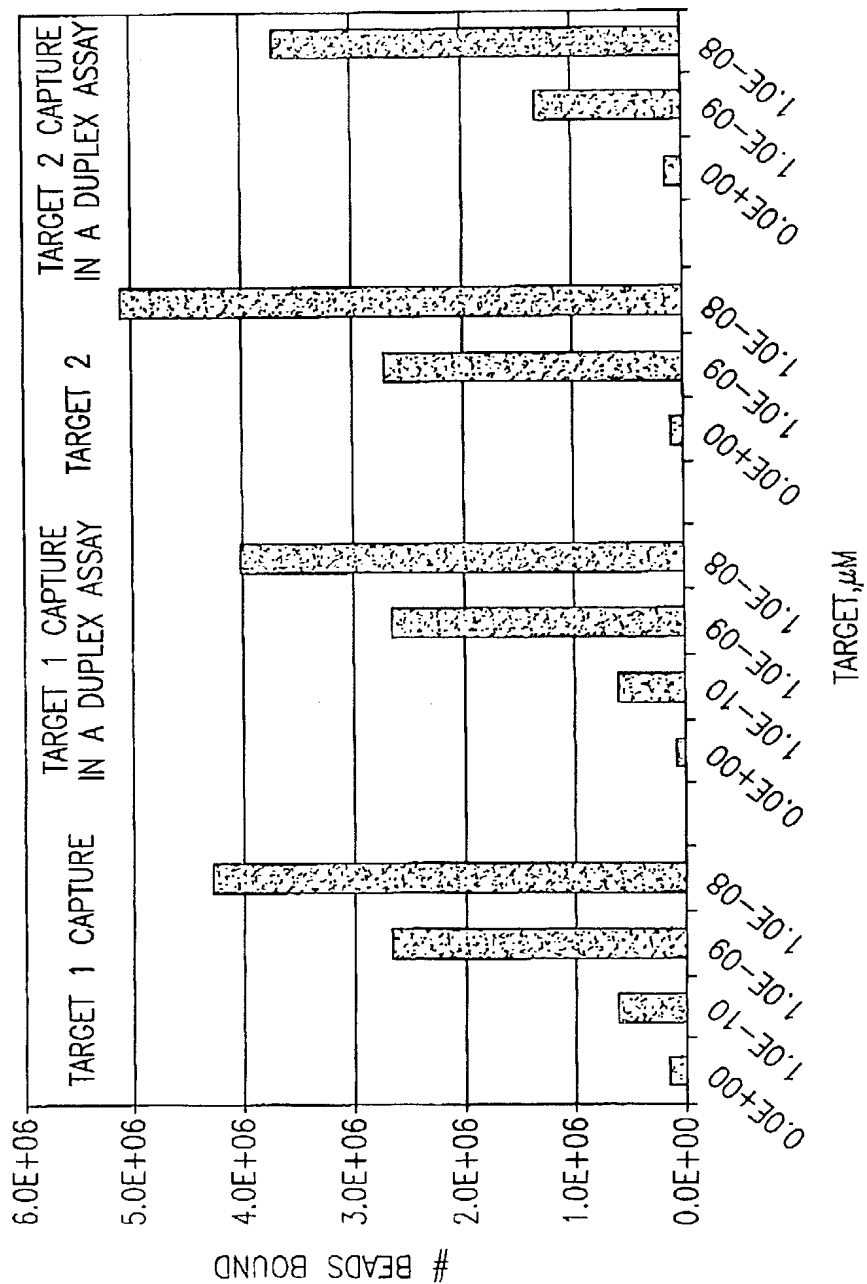
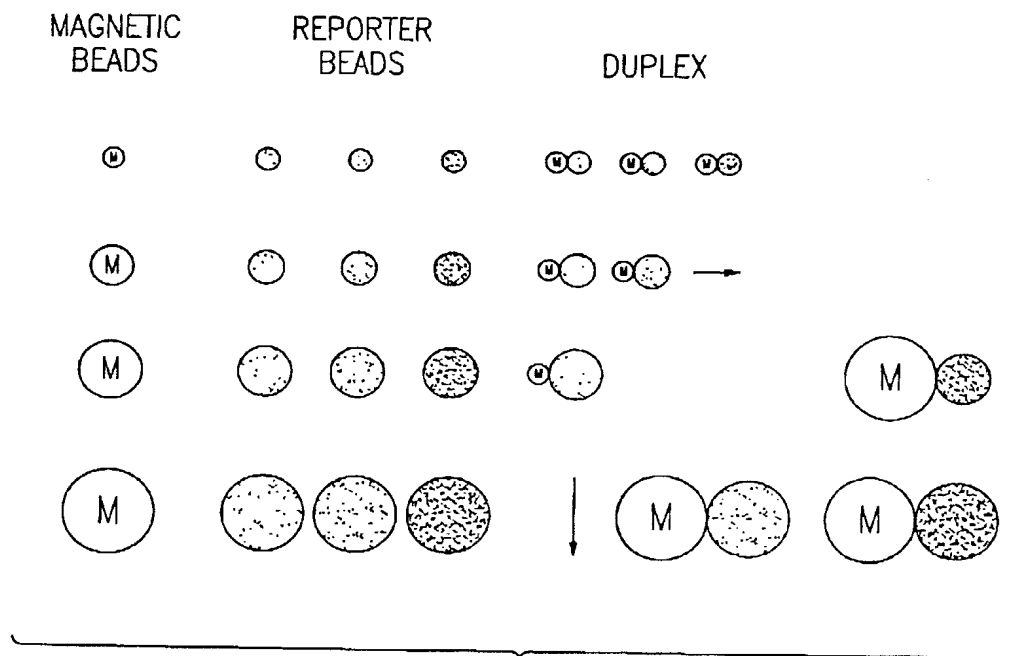


FIG.18

DUAL BEAD ASSAY MULTIPLEXING

FIG.19

(TARGET), M	# BEADS
0.0E+00	~40,000
1.0E-16	~80,000
1.0E-15	~100,000
1.0E-14	~110,000
1.0E-13	~140,000
1.0E-12	~220,000
1.0E-11	~300,000
1.0E-10	~320,000

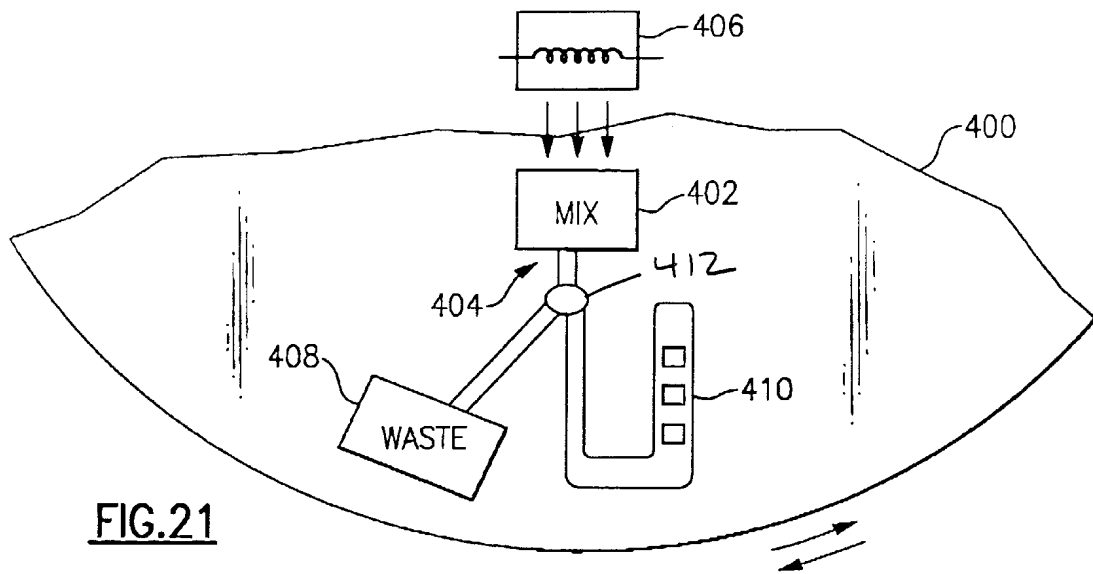


FIG. 21

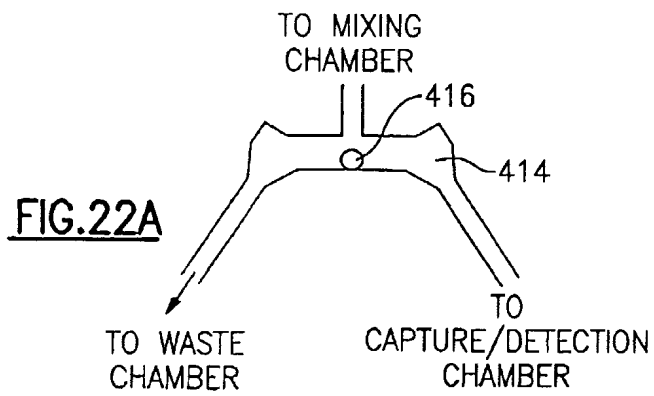


FIG. 22A

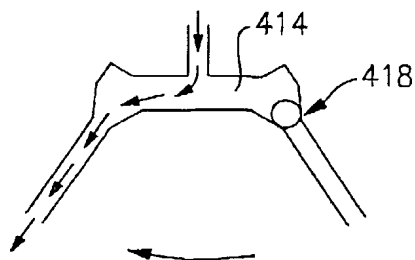


FIG. 22B

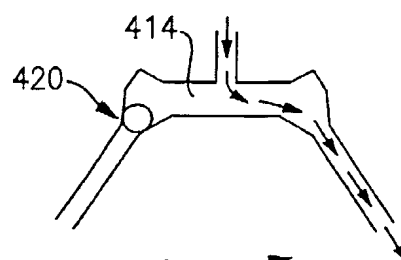


FIG. 22C

FIG.23A

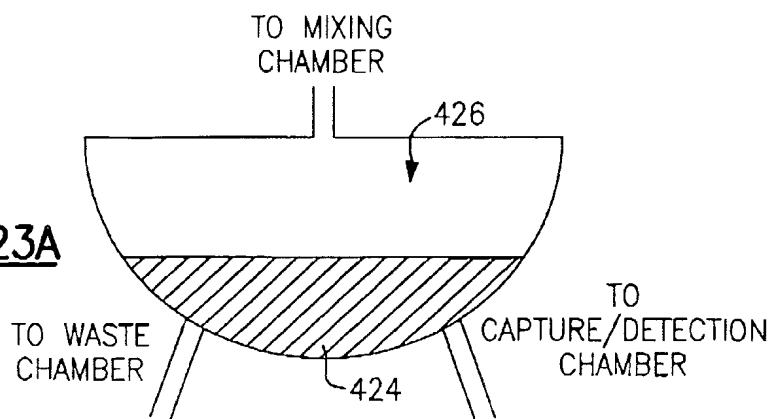


FIG.23B

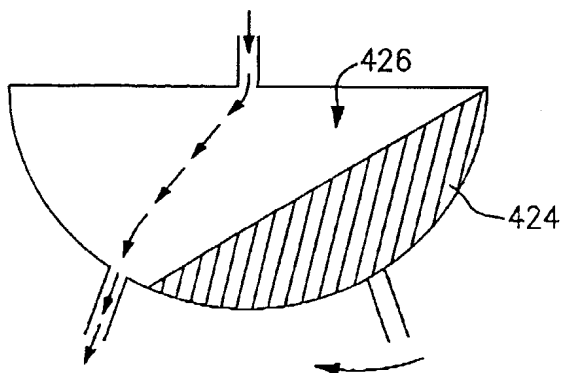
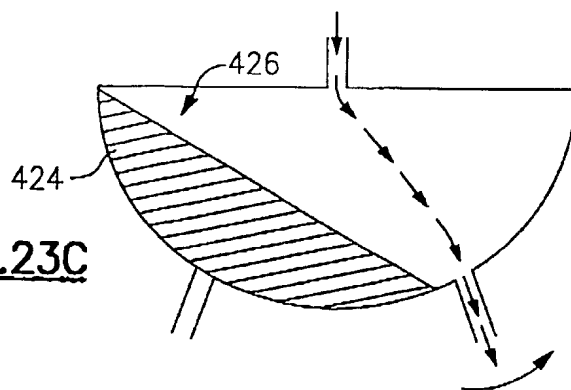
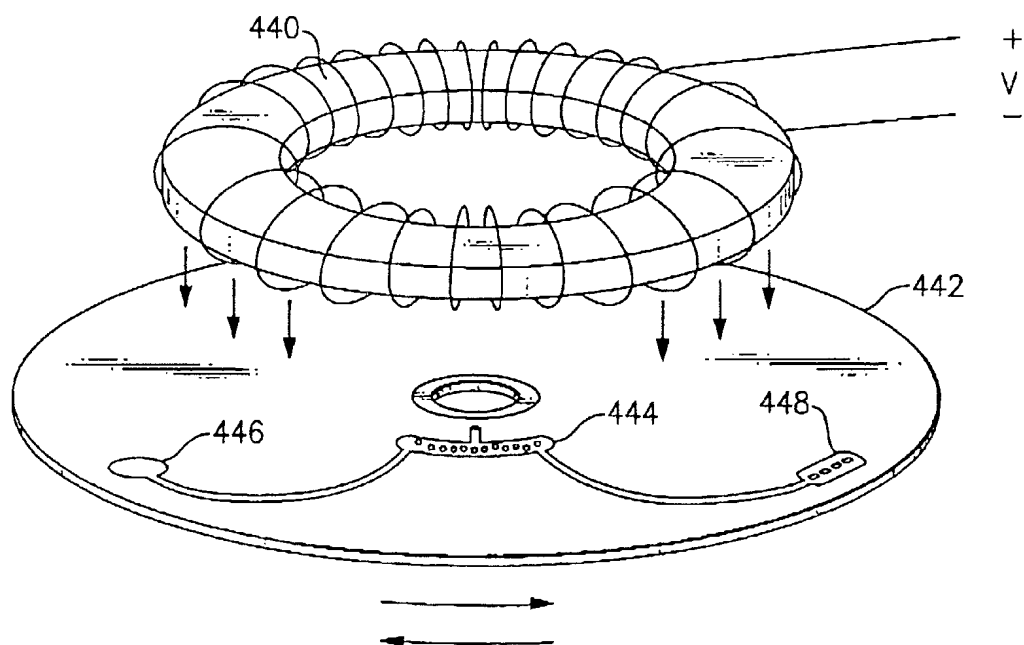


FIG.23C



FIG.24

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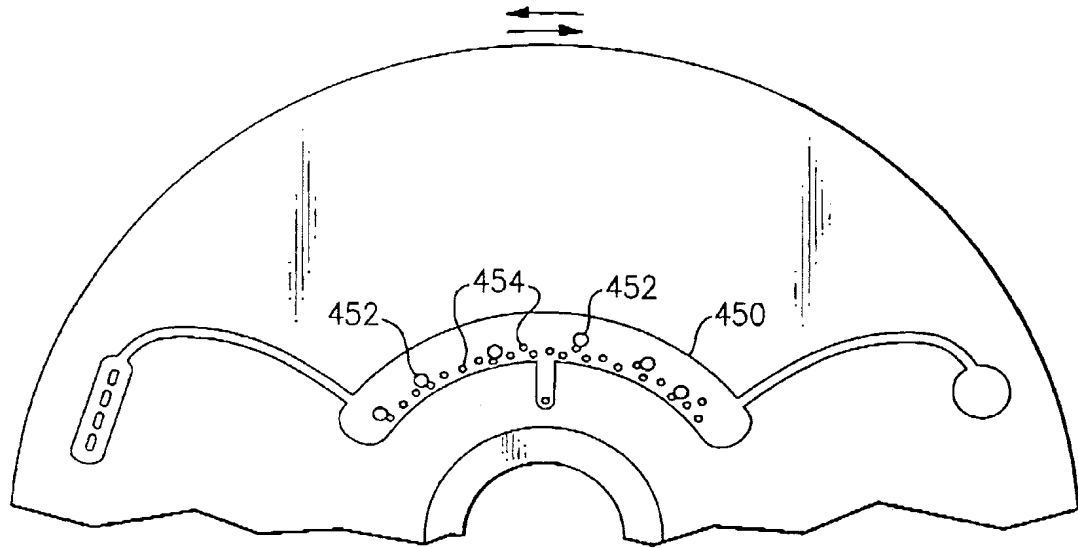


FIG. 25A

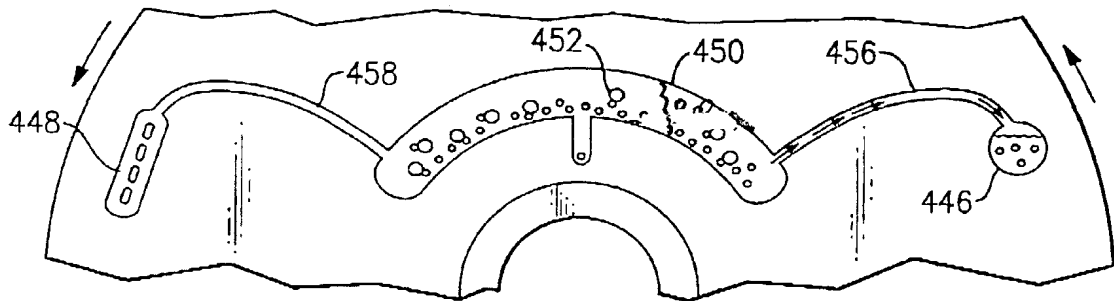


FIG. 25B

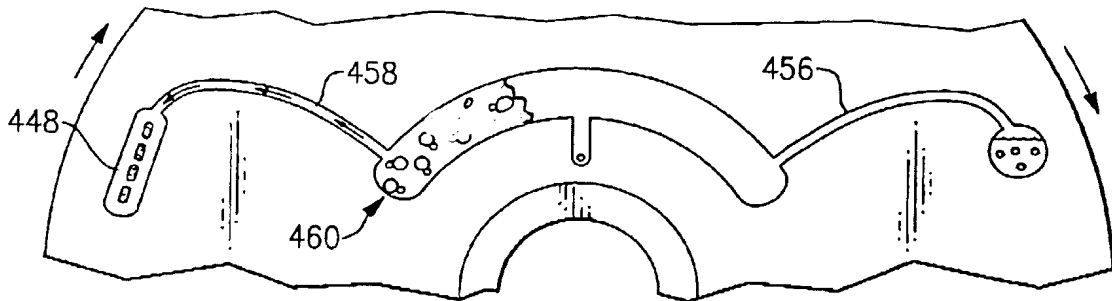


FIG. 25C

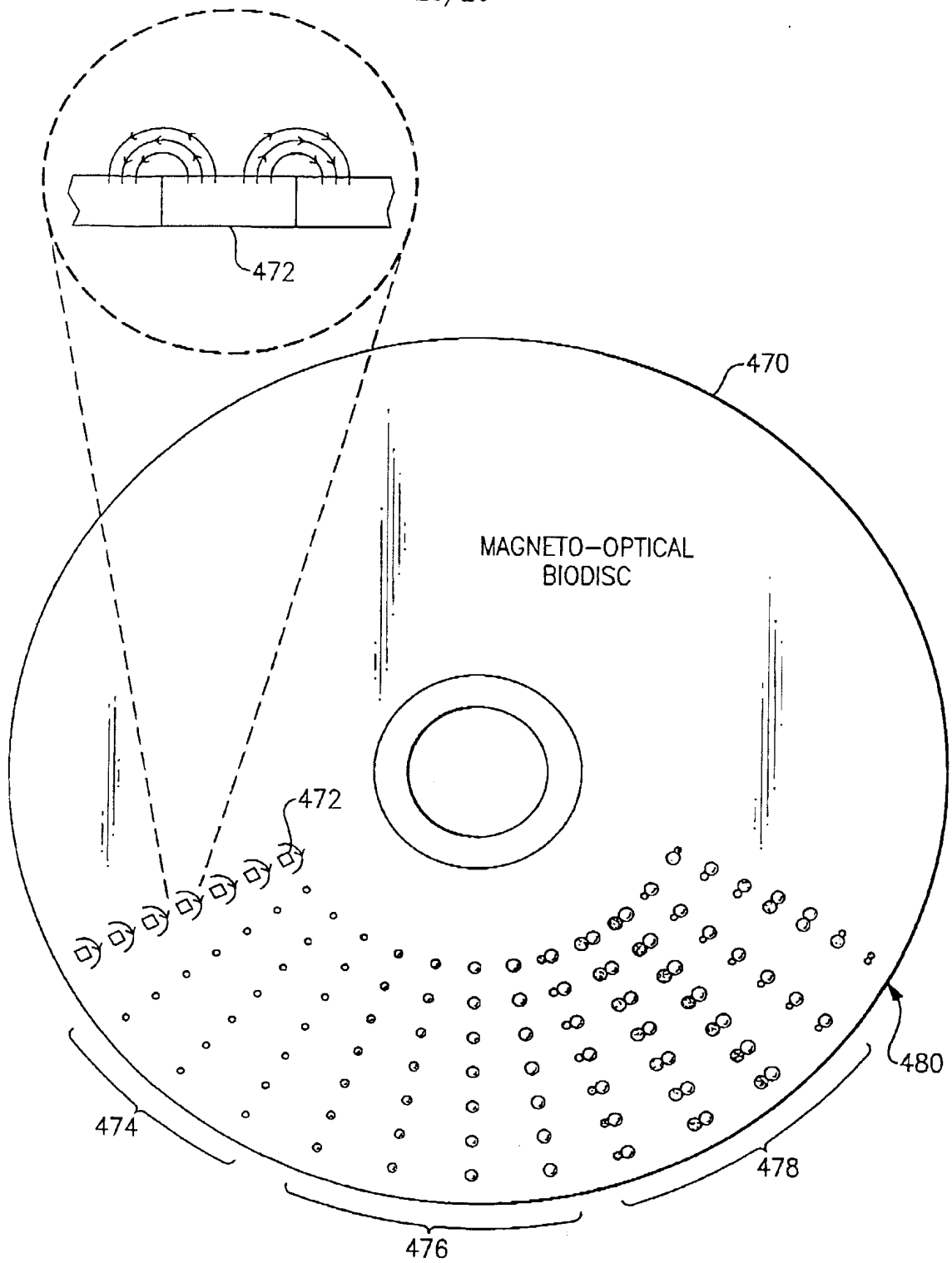


FIG.26